

CERTIFICATE OF ANALYSIS - TYPICAL / ILLUSTRATIVE TEMPLATE

Cord Blood Serum (Neonatal)

Typical Certificate of Analysis | Human Serum | SKU ID: SPB-TCOA-050

Parameter		Typical / Template Entry
Product name		Cord Blood Serum (Neonatal)
Product category		Human Serum
Matrix		Serum
Anticoagulant / additive		None - off the clot
Donor status		Healthy screened donor
Format		Single
Volume options		0.5, 1 mL
Intended research use		Immunoassay matrix, controls, assay development
Storage / shipping		-80 C; ship on dry ice
Lot number		To be assigned by QA
Manufacture / collection date		Lot-specific
Expiry / retest date		Lot-specific, based on validated stability
Appearance		Lot-specific; acceptable as per product specification
Test / Attribute	Method	Typical Acceptance / Reporting
HBsAg	ECLIA	Non-reactive
Anti-HCV	ECLIA / ELISA	Non-reactive
HIV-1 Ag/Ab, 4th gen	ECLIA	Non-reactive
HIV-2 Ab	ELISA	Non-reactive
HIV-1 NAT	PCR	Not detected
HCV NAT	PCR	Not detected
HBV NAT	PCR	Not detected
HTLV-I/II Ab	ELISA	Non-reactive
Syphilis	RPR / TPPA	Non-reactive
West Nile Virus NAT	PCR	Not detected
ALT	Kinetic UV assay	Within normal range
Total protein	Biuret / equivalent	Typical 6.0-8.5 g/dL; lot-specific
Appearance	Visual	Clear to slightly opalescent; non-hemolyzed
Sterility	Culture / validated method	No growth
Metadata Field		Typical Reporting Status
Blood group/profile		Reported when available / as applicable
Donor age/sex		Reported when available / as applicable
Clotting and centrifugation record		Reported when available / as applicable
Freeze-thaw count		Reported when available / as applicable

Notes

- Human material must be handled as potentially infectious using universal precautions, even when screened negative.
- Actual COA must include controlled lot-specific results, reviewer approval, and authorized QA signature.

QA Release Field	Entry
Prepared by	SpeciBio QA / Authorized personnel
Reviewed by	QA reviewer - lot-specific
Disposition	Typical: Acceptable when all specifications are met
Signature / date	Required on actual COA

This is a typical COA template for marketing / specification review only. It is not a lot-release COA.

Actual values, lot number, expiry, donor metadata, and authorized signatures must be issued from controlled QA records.